

CLIPPEDIMAGE= EP000442383A1

PUB-NO: EP000442383A1

DOCUMENT-IDENTIFIER: EP 442383 A1

TITLE: Method and device for the permanent operations diagnosis of a milking machine, including the control of the system vacuum.

PUBN-DATE: August 21, 1991

INVENTOR-INFORMATION:

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INT-CL (IPC): A01J005/04

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ABSTRACT:

<CHG DATE=19940730 STATUS=O> The invention relates to a method and a device for combined, continuous diagnosis and control. The diagnostic parameters are obtained directly from the signals of pressure, temperature and volume flow measurements and are processed in a data processing unit (20-24) according to a diagnostic algorithm and displayed, where the volume flow sensor (15) directly supplies the reserve air quantity, the pressure sensors (17a-17n) supply time-variable electrical pressure values for the static response of the system vacuum for the operations diagnosis and the temperature sensors (16a-16n) supply measured values for the status evaluation of the vacuum generator (1a, 1n), and subsequently the exceeding of limit values is signalled

and the
diagnostic parameter of the system vacuum in the milk removal
area is
controlled. <IMAGE>

CLIPPEDIMAGE= CH000646254A
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DOCUMENT-IDENTIFIER: CH 646254 A
TITLE: Electronic pulsator tester

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INVENTOR-INFORMATION:

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INT-CL (IPC): G01L009/00; G07C003/00 ; A01J007/00
EUR-CL (EPC): G07C003/00; A01J005/04, A01J005/10

ABSTRACT:

The pulsator tester is used to measure the underpressure in a line system, e.g. for measuring vacuum curves in a milking system. The pressures from lines passing through a flap unit (1) are converted into electrical measured values in a pressure transducer (2). The measurement signals amplified by means of an amplifier (3) are led to a pressure display (5) via a control stage (4) and, via limit value comparators (6, 7), to indicators (9) which have two light-emitting diodes. A mode selection switch (10) is connected via a decoder circuit (11) to a number of indicators (12) and to a measurement unit (16). The measurement unit (16) is connected to a start and reset member (17), to a reproduction member (15) and to the flap unit, in order by means of a microprocessor (MPU) to process the measurement signals digitally and to reproduce the results digitally. <IMAGE>